

# Farm and Garden

## IRRIGATION UP TO DATE.

Great Desert Area Made Arable in Recent Years.

In America irrigation was practiced thousands of years ago by the prehistoric town building Pueblo Indians in New Mexico and Arizona.

The first systematic application of irrigation to be made by the whites in the United States was inaugurated by the Mormons on the shores of the Great Salt Lake in 1847. The Mormons found Utah anything but the promised land for which they had hoped. From necessity they resorted to irrigation and soon made the barren site of Salt Lake City one of the most prosperous communities in the west. A few years later the placer miners in California utilized their placer wash-



CONSTRUCTING AN IRRIGATION DITCH.

ing streams for irrigation purposes and raised large crops of vegetables and grain. However, irrigation did not make any extensive headway until the civil war and during the early seventies, when the great tide of immigration turned toward the west. In 1870 only about 20,000 acres of land were cultivated by irrigation in the United States. In the next ten years this number was increased to 1,000,000 acres. During the years between 1880-90 irrigation experienced a great boom, and the number of acres increased to nearly 4,000,000. In 1902, the last census, the acreage was 9,034,523, and each month sees thousands of acres added until the total is nearly 15,000,000 acres today.

Among the great irrigating engineering feats of this country is the wonderful Strawberry valley project at Vernal, Utah, now under way, where a storage reservoir will be built to hold 5,000,000,000 gallons of water, and a tunnel three and one-half miles long is being cut through a mountain. The work is being done by electrically driven tools, and when completed the water will first be used to generate electricity for lighting and power purposes and then for irrigation. The entire electrical equipment for this plant was furnished by the General Electric company. The Williston (N. D.) project and the Buford-Trenton project in the same state are operated entirely by electricity. The current is generated by Curtis steam turbo-generators and is used to drive the large motors connected with the centrifugal pumps. Another system has been installed at Garden City, Kan., and still another at Salt Lake, Ariz. At the last named place the vertical shaft General Electric generators are directly connected to large water wheels for generating the current.

The amount appropriated and expended by the government for irrigation from 1901 to the close of the fiscal year ended June 30 last is over \$37,000,000.

The irrigation act gives the secretary of the interior a very wide latitude



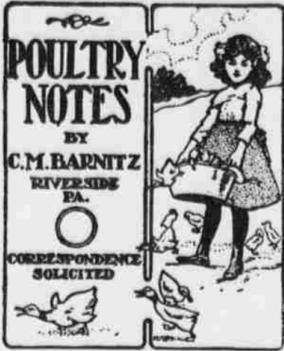
COMPLETED IRRIGATION DITCH.

tude in the investment of this large fund, although he is required to spend the major portion of the fund arising from the sale of public lands within each state or territory for the benefit of its lands so far as practicable.

### Turnip Taste in Butter.

The following is from a German agricultural publication:

The milk from cows fed on turnips has a peculiar odor and taste. Apparently some volatile product from the turnips gets into the body fluids of the cow and thus affects the milk. This fault may be corrected by warming or aerating the milk. But, besides this, certain organisms, as coli bacteria, Actinomyces odorifer, Penicillium brevicicula and lactic acid bacteria, which are found in the faeces of cows fed on beets or turnips, also produce the turnip flavor and aroma in butter made from milk or cream in which they are present. The turnip taste of butter may be due to both of these causes together. Butter may have the turnip flavor and aroma, however, even when no turnips are fed, as coli bacteria causing the taste are found also on oats, barley, corn, rape and other feeding stuffs. Pasteurizing the milk, with subsequent aeration, is recommended as a means of preventing the development of the turnip flavor in butter.



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### WHITE WYANDOTTE SUPREME.

The Yankee is a great rooster inventor.

Not content with making his country the marvel for machinery, he tinkers with flesh and blood.

It is a race horse to beat the world, a mule to pull more and kick higher, a cow to give more milk, a hog of heavier ham or a cock-a-doodle of finer flesh, fancier feather or fairer form? He tackles the contracts and delivers the goods.

When he invented the White Wyandotte he created the ne plus ultra.

To attempt to add is to subtract.

Of standard varieties it is most popular because it just fills the bill for economic value and beauty, with a balance over.

It meets the market demand for a yellow, plump, pretty medium sized mature fowl without dark pinfeathers, feather leggins, rough skin, coarse fiber, large bones and objectionable weight of the big breeds.

It satisfies the call for best broilers and roasters, as young birds plump up prettier, quicker and cheaper than chicks of all other breeds.

It fills the need for a dual purpose fowl that matures and lays earlier and oftener than the other meaty cacklers of chickendom.

Yes, this velvet skinned, yellow tinged, plump breasted, round bodied, short backed, butter ball bird is in a class by itself, and all the booming of pink fleshed fowls is wasted on the



OUR WHITE WYANDOTTE WINNER.

desert air, for the White Wyandotte is ahead, and you'll see it stay there. It's fine as silk, good as gold and quickly sold at bon ton prices. It wins on the table and at the show. No class has so large a representation at exhibitions or so many admirers or wins so many trophies.

It has over 1,500 admirers in the American White Wyandotte club, the largest specialty club in the world.

Nature abhors an angle. Thus her sunsets are framed in ovals, her fair flowers are mostly circles and bend in graceful curves, while her great brilliant round worlds swing in blazing rings around the universe.

A Wyandotte cock from his rosy comb down his curved neck, across his broad, snowy back and up the concave sweep to the top of his pretty poised tail is a double reversed curve, and the rest is all curve.

And the gentle, cackling, snowy white queens of his harem present a scene to excite the admiration and test the skill of a Rosa Bonheur.

The White Wyandotte is supreme in utility and beauty.

On top to stay there  
Because you're the stuff,  
For meat rich and tender  
And just weight enough.

On stop to stay there,  
With many brown eggs,  
With yellow plump body  
And clean yellow legs.

You bet you're the daisy!  
You're surely the go.  
You make me hen crazy,  
You're just the whole show.

### DON'TS.

Don't fail to be polite to visitors even if they are only sightseers. It costs mighty little to be polite and is a cheap price to pay for good advertising.

Don't pick live feathers if your stock is in fattening coop or breeding; will stop laying on flesh and laying eggs.

Don't let the sparrows get the chicken feed. Set the table under screens or set the cat on them.

Don't feed beef scrap when your chickens are on range and use balsam of Peru in alcohol (1 to 5) for the mange.

Don't teach your homers to fly double and then expect them to fly single. You'll lose your bet.

Don't neglect the old stock for the young. Remember, you breed with old and not with young stock next spring. Pullets' eggs are not so important as pullets bred from sturdy breeders.

Don't think every hen going light on consumption. It's gray head louse consumption.

# The New Year In Philadelphia

Wonderful Parade of Knights of Misrule.

By Frederick R. Toombs.

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MR. UPSIDE DOWN ON PARADE.

YOU really ought not to spend New Year's day in Philadelphia if you have made resolutions that you want very much to live up to, for very likely you will not be able to resist the fascinations of participating in the annual celebration of the renowned "Shooters." Existing nowhere else in the

world, the Shooters are latter day prototypes of the Mummers that flourished for scores of years in England and France. Their watchword could well be: "Death to sorrow. Joy is the one fit companion of mankind."

Preaching continually the doctrines of happiness and jocularly, the Shooters open each New Year with a rousing feast day to the memory of the shade of King Momus, the accredited inspirer of the cult, which dearly loves to have its members known as Knights of Misrule. Such a riot of color and gaiety as marks the gigantic parade of the Shooters, which is the particular feature of their celebration, is certainly not seen anywhere else in America.

From six to ten thousand paraders in extravagant costumes have appeared in their pageants of recent years. As many as a half million people have gathered along the line of march. The prizes offered are the most valuable ever put up for elaborateness or originality in costume and accoutrement.

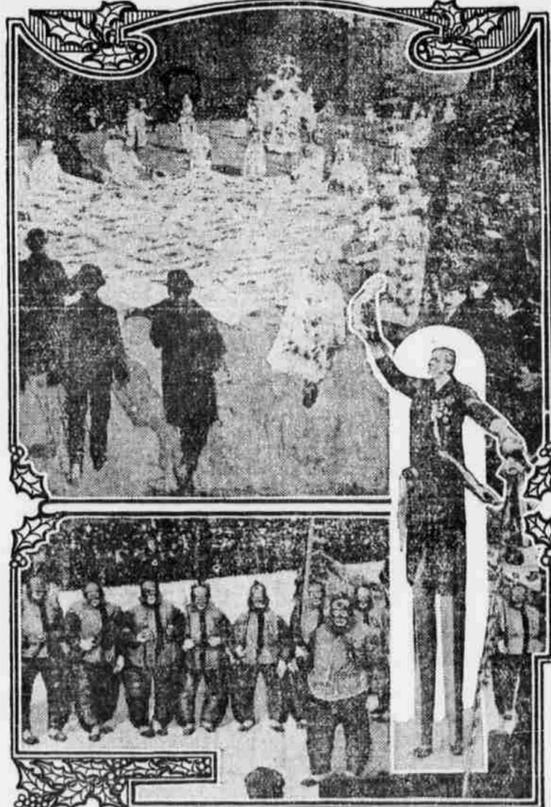
The city of Philadelphia always appropriates \$5,000 yearly to swell the prize fund, which is largely made up of con-

and received some valuable advertising.

Predominating features of the pageant are humorous costuming, antics and floats representing with carefully enacted characters various public happenings of interest or importance. The "Irish Indians" are a popular bevy of contestants annually. These characters have been given faces made from coconut shells, but the libel on the Celtic race has never yet caused trouble. Citizens of "Topsy Turvy Land," who appear to walk on their hands, have proved immense laugh provokers, as also have eighteen foot giants (on stilts), "typhoid fever germs" in human form from the Schuylkill river, according to signs; the order of "White Caps," the "Home Breakers" association, the "Wyoming Hayseeds," the "Belled Owls," the "Red Onions," politicians on floats and shown to be walking railroad ties since passes were abolished; the "Woggle Bugs," resembling a cross between a boll weevil and a grinning grampus, etc.

When exposures were made of graft in a branch of Pennsylvania state politics the procession of that year had a float on which had been built a cemetery in miniature, and over it was a huge sign bearing this legend: "Hall, Hall, the Gang's All Here."

For almost a hundred years the celebration has been developing until today it even outclasses the original phantasmagorias of England in the eleventh century and of Normandy and France at a later date. William the Conqueror held the first pageant of this nature after the battle of Hastings, and it became a regular feature of British Christmases in the ages of chivalry. Venturesome knights would break each other's skulls in the festivities of those days, but as Philadelphia is the City of Brotherly Love



A KING AND HIS TRAIN, "IRISH INDIANS" AND A GIGANTIC SURVIVOR OF THE MAINE.

tributions from merchants, clubs, interested individuals and organizations taking part in the pageant. Prizes are offered for the best dressed paraders, the most elaborate, the most humorous, the most unique, etc., and it is possible for an individual to capture prizes enough offered for the same specialty to amount to \$2,000. How is that for a prize for a masquerade ball (outdoors) costume?

Shooter parades have grown until they now average from five to six miles in length, requiring from five to six hours to pass a given point. Some of the costumes are so extravagantly made that it is no uncommon sight for one of the many personages, representing kings, to have a gown with a train a city block long and a block wide, reaching from curb to curb. One contestant in last year's festival had a gown of such dimensions, and it required forty page boys to carry the train clear of the street. Even with all that help the "king" was wearied by the burden to such an extent that he fainted, remaining unconscious for an hour. Twenty men were employed in completing that gown, which cost \$3,000, and the wearer won over \$2,000 in prizes.

Rivalry is extremely keen among Philadelphians and southern New Jerseyites, numbers of whom take part in the creating of costumes. The story is related of a German butcher in the "neck" section of the Quaker City who mortgaged his home and store for \$10,000 in order to outdo all other contestants. He won over \$2,000 in prizes

such things would not be countenanced. The original Philadelphians who took part in the Shooters' propaganda were German residents of the "neck" section of the city, where the Schuylkill and Delaware rivers come close together.

### Lamb For the Greeks.

The unique Greek dish on New Year's eve is the roast lamb, set up in Greek style, of which each son of Hellas must partake. The roasting of the lamb is attended with a great deal of pomp. The entire carcass of a lamb is set up on a pole, and this is held over a fire until it is duly roasted. Then it is sliced and apportioned among the various persons present at the feast, and the roast is eaten along with the other strictly Greek dishes and washed down with Greek wine.

### Good and Bad Luck.

It was supposed to bring bad luck to a house to take anything out of it on New Year's day before you brought something into it.

Take out, then take in,  
Bad luck will begin;  
Take in, then take out,  
Good luck comes about.

### Roman Extravagance.

The New Year's gift, no doubt, originated with the Romans, for with them giving and taking was carried to such an extravagant degree during all the 365 days of the year that Emperor Claudius prohibited the "demanding" of presents except on New Year's day.

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